## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 19 May 2005 (19.05.2005)

**PCT** 

## (10) International Publication Number WO 2005/044468 A1

- (51) International Patent Classification<sup>7</sup>: B05C 17/005, B05B 11/00
- (21) International Application Number:

PCT/US2004/036007

- (22) International Filing Date: 27 October 2004 (27.10.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/515,946

29 October 2003 (29.10.2003) US

- (71) Applicant (for all designated States except US): AKZO NOBEL N.V. [NL/NL]; Velperweg 76, NL-6824 BM Amhem (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BROMERT, Dave [US/US]; 35500 West 91st Street, DeSoto, KS 66018 (US). WROTEN, Randy [US/US]; 14193 Blancard Road, Greenwood, DE 19950 (US). BEAUCHAMP, Daniel [CA/CA]; 2409 Stagecoach Street, Saint Lazare, Quebec JT2 A1 (CA).
- (74) Agent: RAMEY, William, P., III; Akzo Nobel Pharma Patent Department, 29160 Intervet Lane, PO Box 318, Millsboro, DE 19966 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Declaration under Rule 4.17:

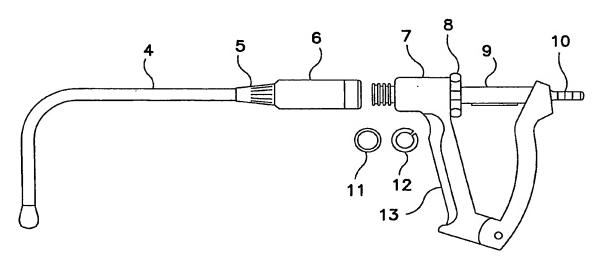
— of inventorship (Rule 4.17(iv)) for US only

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESSES AND APPARATUSES FOR DOSING A MEDICAMENT OR OTHER VISCOUS SUBSTANCE



(57) Abstract: Various embodiments of the present invention generally comprise a dosing system and related processes for dosing the feed of animals with a viscous fluidic substance.